Map of parcels at 33 kft on 04070618 influenced by convection 0.0 to 2.5 days earlier Squares indicate location of convectively influenced air -- influence calculated only within black box Crosses indicate locations where back trajectories from squares intersect convection Cross, square, and trajectory colors indicate elapsed time between convection and 04070618 2.0 0.5 NASA/ARC PSL. Last Image Used is 0407061745 2754 Trajectories

Map of parcels at 33 kft on 04070618 influenced by convection 2.5 to 5.0 days earlier Squares indicate location of convectively influenced air -- influence calculated only within black box Crosses indicate locations where back trajectories from squares intersect convection Cross, square, and trajectory colors indicate elapsed time between convection and 04070618 4.0 NASA/ARC **PSL** Last Image Used is 0407061745: 2754 Trajectories

Map of parcels at 33 kft on 04070618 influenced by convection 5.0 to 7.5 days earlier Squares indicate location of convectively influenced air -- influence calculated only within black box Crosses indicate locations where back trajectories from squares intersect convection Cross, square, and trajectory colors indicate elapsed time between convection and 04070618 NASA/ARC **PSL** Last Image Used is 0407061745 2754 Trajectories

